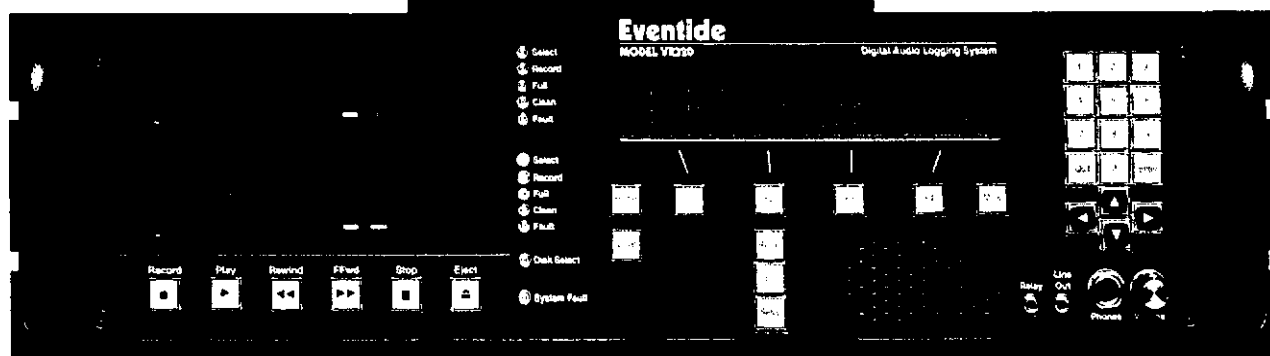


# **NARRATIVE - EXHIBIT “H”**

Information on Eventide - Digital Logger & Voice Recorders

**Eventide®**  
the next step



# VR320

## 48 Channel Digital Logger

### A Major Advance in Compact Logging Systems

*The Eventide VR320 Digital Audio Logger is the latest product development from the creator of the DAT-based digital-logging recorder. Thousands of Eventide-built digital loggers are performing flawlessly in the field, serving public safety communications, 9-1-1 emergency centers, financial services firms, broadcasters, and others.*

Now Eventide raises the standard with the 48-channel VR320. The VR320 is typically furnished with 4mm DAT DDS-2 drive(s), which provide storage of 550 hours per tape divided among up to 48 channels. New DDS-3 drives are optional and store up to 1600 hours per tape. DAT drive-equipped VR320s are compatible with tapes recorded on Dictaphone 9800 and Eventide VR240 24-channel loggers, and 4-channel Eventide VR204 loggers.

#### KEY FEATURES

**RECORD CAPACITY UP TO 48 CHANNELS.**

**STANDARD SINGLE OR DUAL DDS-2 4MM DAT DRIVES WITH 550 CHANNEL HOURS OF STORAGE EACH.**

**DRIVE OPTIONS FOR DDS-3 DAT, 5.2GB MAGNETO OPTICAL DISK OR 5.2GB REWRITABLE DVD-RAM.**

**275 CHANNEL-HOUR INTERNAL HARD DISK PROVIDES INSTANT RECALL AND BUFFERED BACKUP.**

**SAFEDRIVE™ BUFFERING FOR INCREASED TAPE DRIVE RELIABILITY.**

**MIX ANY COMBINATION OF UP TO 4 CHANNELS FOR PLAYBACK OR LIVE MONITORING.**

**INTERNAL FCC-APPROVED TELEPHONE INTERFACES WITH SELECTABLE BEEP.**

**FIELD SOFTWARE UPGRADES FROM THE ARCHIVE MEDIA.**

**COMPACT 5.25"H X 19"W X 18"D PACKAGE FOR RACK (3U) OR DESKTOP.**

**OPTIONAL PC REMOTE CONTROL VIA RS485/RS232 FOR ONE OR MULTIPLE RECORDERS.**

**STANDARD 10MB ETHERNET CONNECTION FOR NETWORK ACCESS - TCP/IP PROTOCOL.**

Other drive options include high-capacity 4.6GB and 5.2GB Magneto Optical Disks or 5.2GB Rewritable DVD-RAM. All of these optical drives offer fast search times, virtually unlimited rewrites, and long archival storage life.

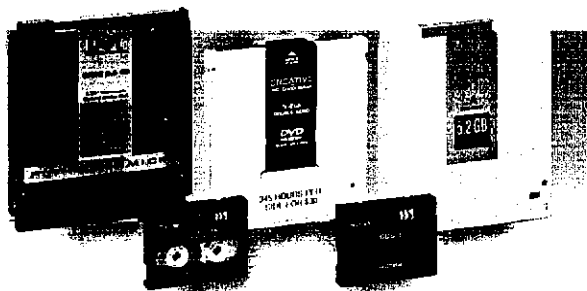
An important feature of the Eventide VR320 is the internal 275-hour (or greater) hard disk. This disk allows you to retrieve recently recorded material without interrupting the recording process. It also backs-up data when the archive media runs out and provides "instant recall." Eventide's exclusive SafeDrive™ buffering system improves tape drive reliability by using the internal hard disk to buffer data before transferring to the archive drive. Unlike other manufacturer's loggers, the VR320 tape drives are required to work only for approximately 10% of their duty cycle.

The VR320's advanced features combined with Eventide's logger expertise makes it the ideal recorder to preserve important communications.

# Exclusive features make Eventide loggers more reliable

Tape drives, with their complex mechanical mechanisms, are the most vulnerable parts of any digital logging recorder. Most other leading digital logger brands put their DAT archive drives through a daily torture test, starting and stopping up to thousands of times every 24 hours. To increase reliability, Eventide engineers developed our exclusive SafeDrive™ buffering system. Safe Drive buffering uses a portion of the VR320's internal hard disk to record approximately 3 channel hours of audio before starting the tape drive. This typically reduces the number of tape drive start-stop cycles by a factor of ten or more.

Another important reliability feature of Eventide loggers is our chip-resident software. Most other loggers store their internal software on their disk drives, the way a PC stores program software. That's because most loggers - even those that are Eventide look-alikes - are actually modified PC's. But Eventide loggers are designed and built from the ground up to be digital loggers. Our software is loaded into non-volatile chips. Even if the internal drive ever fails, all normal recording, playback, and tape search functions continue to operate.



VR320 loggers come standard with 4MM DDS-2 DAT drives which record 550 channel hours on a single tape. There are several optionally available media drives: DDS-3 DAT drives which record 1600 hours on a single tape; 4.6GB and 5.2GB Magneto Optical Disks which record 645 and 745 hours respectively; and 5.2GB Rewritable DVD-RAM drives which record 745 hours per CD. The Magneto Optical and DVD-RAM drives provide faster searching, virtually unlimited reuse, and maximum durability and longevity.

## VR320 Specifications

### SYSTEM CONFIGURATION

**Removable media drives**  
1 or 2  
**Number of channels**  
8, 16, 24, 32, 40, 48  
**Optional 5.2GB Magneto Optical Disk or 5.2GB Rewritable DVD-RAM Drives**  
1 or 2

### HARD DISK DRIVE (SCSI)

**Normal Record Buffering**  
Up To 3 Channel Hours  
**Backup Record Buffering**  
Up To Full Capacity of Disk  
**Instant Recall**  
Yes  
**Hard Disk Audio or Storage Capacity**  
275 hours (std) 550 and 1290 hours (opt)

### REMOVABLE ARCHIVE MEDIA

**DAT Recording Format**  
HP/SONY DDS-2/DDS-3  
**Error Detection**  
3 Levels  
**Error Rate**  
<1 in 10<sup>15</sup>  
**DAT Media**  
120, 125 Meters  
**DAT Audio Capacity**  
550 Channel Hours, 1600+ Channel Hours  
**Magneto Optical Disks**  
4.6GB or 5.2GB  
**Magneto Optical Disk Capacity**  
650 Channel Hours, 745 Channel Hours  
**Rewritable DVD-RAM**  
5.2GB  
**Rewritable DVD-RAM Capacity**  
745 Channel Hours

### SEARCH/PLAYBACK/ MONITORING CAPABILITIES

**Live Record Monitor**  
Mix any combination of 4 channels  
**Playback Monitor**  
Mix any combination of 4 channels  
**Simultaneous Record and Play**  
Yes  
**Search Times**  
Hard Disk - milliseconds  
DAT Tape - average 35 Sec.  
MO Disk - milliseconds  
DVD-RAM - milliseconds  
**Search For**  
Time/Date, Next Message, Channel #, Mark, Saved  
**Audio Outputs**  
Internal Front Panel Speaker, Headset, Line, External Speaker

### FRONT PANEL INTERFACE

**Display**  
4 Lines x 40 Characters Backlit LCD  
**Soft Function Keys**  
4 Variable Function Keys (Backlit When Active)  
**Fixed Function Keys**  
Recall, Info, Setup, Drive, Home, and More (Backlit When Active)  
**Fixed Drive Control Keys**  
Record, Play, Rewind, FForward, Stop, Eject (Backlit When Active)  
**Keypad**  
12 Keys Including Quit Key (Backlit When Active)  
**Cursor**  
4 Directional Control Keys (Backlit When Active)  
**Channel Indicators**  
48 Channel Status Line on LCD  
**Individual Drive Status LEDs**  
Selected, Record, Full/Almost Full, Clean, Fault

### REMOTE CONTROL/NETWORK ACCESS

PC via Windows Application and RS485 Link  
PC via Web Browser Software and Ethernet Connection

### SECURITY

Multi level password

### AUDIO AND VISUAL ALERTS

Any System or Drive Fault, Tape Almost Full, Tape Full (from the unit or a remote location)

### INPUT CHARACTERISTICS

**Frequency Response**  
300 to 3400 Hz  
**Signal to Noise Ratio**  
50 dB Typical  
**Crosstalk**  
-60 dB Typical  
**Wow and Flutter**  
Unmeasurable  
**Input Impedance**  
10K ohm  
**Automatic Gain Control (AGC)**  
10 Milliseconds Attack Time  
100 Milliseconds Release Time  
**Adjustable VOX**  
Threshold and Hold Time  
**Recording Initiated By:**  
VOX, Off-hook, External, Continuous  
**Sampling Rate**  
8kHz, 8Bit  
**Audio Compression**  
16, 32, or 64 Kb/sec

### Adjustments

All audio adjustments from the front panel or remote PC  
**Serial Data Record**  
2 Channels 1200 to 19,200 Baud  
**FCC-Approved Phone Interface**  
Internal, Selectable Beep by Channel  
**T1/E1 and ISDN Direct Interface**  
Option  
Yes

### SYSTEM DIAGNOSTICS

Power On Self Test, Error Log, History Log, System Monitoring

### PHYSICAL

**Dimensions**  
W: 17"/432mm  
H: 5.25"/133mm  
D: 17.5"/445mm  
**Weight**  
Unit weight: 31 lbs/14 kg  
Shipping weight: 42 lbs/19 kg  
**Configuration**  
Desktop or 19" Rack Mount

### TIME CODE

**Resolution**  
1 Second  
**Accuracy**  
2 Seconds Per Day  
**External Time Sync**  
RS485/RS232 Format 0, 1, or 2

### POWER

90 to 130 VAC or 180 to 250 VAC, 47 to 63 Hz, 260 Watts, Optional 48 VDC

### ACCESSORIES

Smart Label Printer, GPS Time Sync, Play-Only Unit, PC Remote, Desktop Enclosure

### OPTIONS

Larger Capacity Hard Disks, Hi-Fi Input Board, IRIG B Interface

### MEDIA

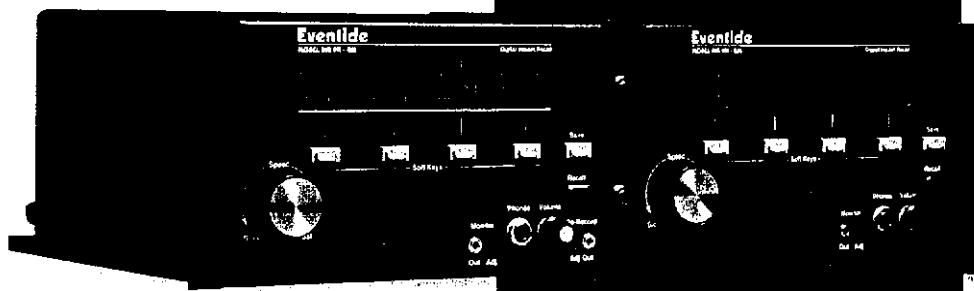
120M DDS-2 DATs, 125M DDS-3 DATs, 4.6 GB and 5.2 GB Magneto Optical Disks, 5.2MB Rewritable DVD-RAM

(All specs are subject to change)

**Eventide**  
the next step

One Alsan Way • Little Ferry • NJ • 07643 • Tel: 201-641-1200 • Fax: 201-641-1640  
Email: loggers@eventide.com • Internet: www.eventide.com

**Eventide®**  
the next step



# DIR911

## Digital Instant Recall Recorder

### KEY FEATURES

- SIMULTANEOUS RECORD AND PLAYBACK OF TELEPHONE AND RADIO MESSAGES
- INTELLI-CLEAR SPEED CONTROL SLOWS DOWN OR SPEEDS UP MESSAGES WITH DSP PITCH CORRECTION
- REWIND AND FAST FORWARD BUTTONS JOG 1.25 SECONDS WITH EACH PRESS
- LARGE BACK-LIT 4 LINE X 40 CHARACTER FULL-FUNCTION LCD DISPLAY
- RECORDS AND DISPLAYS DURING PLAYBACK ANI AND CLID DATA
- RECORDS AND DISPLAYS DURING PLAYBACK ALI-CAPTURED PHONE NUMBER
- RECORDS AND PLAYS TO EXTERNAL DISPLAY ALL ALI DATA
- CAPTURES AND RECORDS INCOMING AND OUTGOING DTMF
- PASSWORD SECURITY PROTECTS SYSTEM SETUP FUNCTIONS
- REAL TIME/DATE TAG WITH EACH MESSAGE
- SAVE MULTIPLE MESSAGES FROM ERASURE
- RECORD ACTIVATION FROM VOX, ON/OFF-HOOK OR EXTERNAL SWITCH CLOSURE
- ONE OR TWO RECORD INPUTS
- FCC-APPROVED TELEPHONE INTERFACE WITH SELECTABLE BEEP TONE
- INTERNAL 2 WATT SPEAKER PLUS HEADSET, RE-RECORD, AND MONITOR OUT JACKS
- RS485/RS232 REMOTE CONTROL I/O
- RS485/RS232 ALI SERIAL DATA I/O
- EXTERNAL TIME SYNC FROM RS485
- STANDARD 64 MINUTE (OPTIONAL 128 MIN.) DIGITAL RAM STORAGE AT 32KBPS
- OPTIONAL 40 MINUTE INTERNAL UPS
- AVAILABLE IN SINGLE OR DUAL 19" RACK MOUNT OR DESKTOP MODELS

*Eventide - the company that invented the digital-tape audio logger - turned its attention to instant recall devices. We found that most available units were pretty much alike, and they all had one glaring omission. Operators most often turn to their instant recall unit when the incoming telephone call or radio transmission is difficult to understand, often because the caller is speaking too fast or the audio sounds garbled. But most available instant recall units can only play back calls "as is." The operator can hear it again, but can't hear it more clearly.*

### Intelli-Clear™ SPEED CONTROL

Now Eventide, drawing on its expertise as one of the world's leading suppliers of audio processors to the professional recording and broadcast fields, has changed all that with Intelli-Clear speed control. This feature lets the operator slow down the playback (or speed it up) without changing the pitch or degrading the sound quality. This breakthrough - made possible by advanced DSP (digital signal processing) circuitry - is nothing like variable speed controls you may have heard in the past. The degraded audio quality of other variable speed controls often make audio harder to understand. But with Intelli-Clear, slowing down the replay actually increases intelligibility. Operators can frequently understand speech that had sounded hopelessly garbled.

To make Intelli-Clear even more useful, Eventide engineers rethought the conventional rewind/fast forward controls found on other recall devices. They're useful on a tape recorder, but on a recall unit, conventional rewind/fast forward buttons usually overshoot the desired segment within a message. This results in the operator having to "hunt and peck" awkwardly until the right segment is found. The Eventide DIR911's rewind and fast forward buttons work differently. Each touch advances or backs-up the message by 1.25 seconds. Tap the rewind button four times, and you jog back five seconds. Simple, precise, and easy to use - ideal for high-pressure public safety operations.

### LARGE DISPLAY

The DIR911's back-lit 4 line x 40 character LCD screen, much larger than those on other recall units, is easier to read and shows a wider range of information. All ANI (Automatic Number Identification), CLID (Calling Party Identification) data and, uniquely, the phone number captured from ALI (Automatic Location Identification) data are displayed. Full ALI data will be shown on a connected external display. For operating ease, the bottom line of the LCD dynamically labels four "soft key" buttons with the proper designations for each operating mode.

## DIR911 Specifications



### FULLY FEATURED

Eventide has equipped the DIR911 with a full 64 minutes of digital RAM storage at the preferred 32kb/sec. digital sampling rate. An additional 64 minutes is available optionally. The Eventide DIR911 also provides password security that protects the system set-up parameters from being accidentally changed or erased. The DIR911 is available as a single or dual unit to fit a standard 5.25" x 19" rack mount. A desktop model is also available.

The choice in instant recall units for public safety applications has now been made clear. The DIR911 with Intelli-Clear speed control is in a class by itself.

#### PERFORMANCE

##### Operation

Simultaneous record and playback

##### Record Channels/Input

Digital PCM at 32Kbps

##### Frequency Response

200 to 3400 Hz

##### Signal to Noise Ratio

Greater than -45dB

##### Distortion

Less than 3% THD

##### Audio Input

-35dB to +5dB with AGC

##### Input Impedance

10 K $\Omega$  balanced, DC blocked

##### Audio Output

2 Watts into internal loudspeaker with volume control

##### ALI Input

RS485/RS232 I/O port - bit serial data at ALI standard baud rates

##### Telephone Interface

Internal FCC-approved coupler with selectable beep

##### Record Activation

VOX, On/Off hook, External Closure

##### System Setup

Through software from the front panel

##### Remote Control

RS485/RS232 I/O port

##### ALI Serial Data Playback

RS485/RS232 I/O port

##### ANI & CLID

RS485/RS232 I/O Port

#### DIGITAL STORAGE

##### Memory Type

Dynamic RAM

##### Recording Time

64 or 128 minutes

#### OPERATOR INTERFACE

##### Back-lit LCD Display

4 Lines x 40 Characters

##### Soft Function Keys

4 Variable Function Keys

##### Fixed Function Keys

Save and Recall

##### Speed Control

Slower/Faster Wheel

##### Volume Control

Knob

##### Headset Jack

1/4" Plug

##### Re-Record and Monitor Jacks

Mini Plugs

#### SELF DIAGNOSTICS

Bootup system test and continuous system monitoring

#### SECURITY

Password Protected

#### OPERATOR VISUAL DISPLAYS

Current Time/Date

Message playing time/date

ANI or CLID Number

Message playing and recording number

Soft key functions

Current DIR911 mode of operation

Current message length

Message saved indication

Playback speed as % of recorded

Total number of messages saved

Total number of messages recorded

#### MESSAGE PROCESSING

Recall last message

Restore to newest message

Fast Jog Forward

Fast Jog Rewind

Pause Playing

Save and Un-Save message

Playback speed faster/slower

#### PHYSICAL

##### DIR911 Alone

5.25" x 8.5" x 9"

(13.12cm x 21.25cm x 22.5cm)

##### Single or Dual Console Mount

5.25"x19"x9"(13.12cm x 47.5cm x 22.5cm)

##### Desktop Model

4.25" x 8.5" x 9"

(10.62cm x 21.5cm x 22.5cm)

#### WEIGHT

##### DIR911

3lbs, 13 oz (excluding mount) (1.7kg)

##### Power Supply

1 lb., 11 oz (.88kg)

#### TIME CODE

##### Resolution

1 Second

##### Accuracy

2 Seconds per day

##### External Sync

RS485 Standard Format 0, 1 or 2

#### POWER

12 VDC/18 Watts, External

115V or 230V AC power supply included

#### OPERATING TEMPERATURE

0°C to 60°C

#### STORAGE TEMPERATURE

-30°C to 60°C

#### HUMIDITY

95% NC

#### INTERNAL UPS

Optional 40 Minutes

**Eventide**  
the next step

One Alsan Way • Little Ferry • NJ • 07643 • Tel: 201-641-1200 • Fax: 201-641-1640  
Email: loggers@eventide.com • Internet: www.eventide.com

### VR320 Features

- Compact digital recording platform ( 5.25H X 19W X 18D )
- Built from the ground up as a digital voice logger, not a PC with voice cards
- Single or dual 4mm DDS-2 DAT drives provide 550 channel hours of recording per drive
- Optional 4mm DDS-3 drives provide 1600 channel hours of recording per drive
- Optional 5.2 gigabyte magneto optical disk drives provide 700 hours per drive
- Optional 5.2 gigabyte Rewritable CD disk drives provide 700 hours per drive
- Standard internal hard disk for record buffering ( auto - record direct To drive if HD fails )
- Internal hard disk provides 275 hours of instant recall
- Internal hard disk backs up drives with no tape buffering for 150 channel hours
- Optional larger hard disks available ( 550 or 1250 channel hours )
- Smart input boards allow all channel set-up from front panel or PC
- Input boards contain FCC approved telephone interface
- Beep For telephones is selectable on a per channel basis
- Available in 8, 16, 24, 32, 40 or 48 channel configurations and field upgradable
- System is software upgradable for long life ( operating system in non-volatile chip )
- Mix any combination of installed channels for playback or live monitoring
- Time and date stamp with all recordings
- Search for messages by time/date, channel number, next message, etc
- Record and play simultaneously from hard disk or media drives
- Remote control via RS485 Link from a standard PC
- Control multiple units from one PC
- Remote access from a standard PC via an Ethernet LAN connection
- Record data ( fax/serial data ) and voice
- Multi-level password security
- Smart label printer for media library management system
- Built-in UPS for controlled transfer to standby power or orderly shutdown
- Sync to external time/date RS485/232 format 0, 1, or 2
- Four line by forty character backlit LCD display and all keys are backlit as well
- Four soft keys and dedicated RECALL, SETUP, INFO, DRIVE, HOME, and MORE keys
- Five status LED's for each drive ( selected, record, full/almost full, clean, and fault )
- Programmable record start and stop by time and date
- DAT index reconstruction, format, and copy programs
- History and error logs

# DIR911 Features

- IntelliClear incremental slow down or speed up the playback with DSP pitch correction
- Simultaneous record and playback of telephone or 2-way radio messages
- Fast rewind or fast forward through a message during playback
- Jog backwards or forward during playback 1.25 seconds with one touch of a button
- Fast message search with next and previous message buttons
- Date and time tag with each message
- 64 minutes of digital ram storage
- Option for 128 minutes of digital ram storage
- Dedicated recall and save buttons
- Four soft keys for full functionality
- Easy to use slowdown/speedup playback control
- Save messages from erasure for later review
- Record and display CLID data
- Record and display ANI data
- Record and display DTMF numbers
- Record, display telephone number and playback to an external display ALI data
- Large 4 line by 40 character backlit display
- Display current time/date and message playing time/date
- Display message number
- Display message playing length
- Display % slower or faster in 1% increments for message playing
- Display saved message indicators
- Internal 2 watt loud speaker with volume control knob
- FCC approved internal telephone interface with selectable beep
- One or two record inputs with a priority option
- Password security for configuration menu
- Headset, re-record and record monitor jacks
- External time syncable from RS485 standard formats
- Record activation from VOX, On/Off hook voltage or external closure
- Remote control I/O port
- 40 minute internal UPS available
- Desktop, standard 5.25 by 19 single rackmount or dual rackmount configurations
- All configurations are self contained standalone units, no remote boxes are required

### PC Remote Control

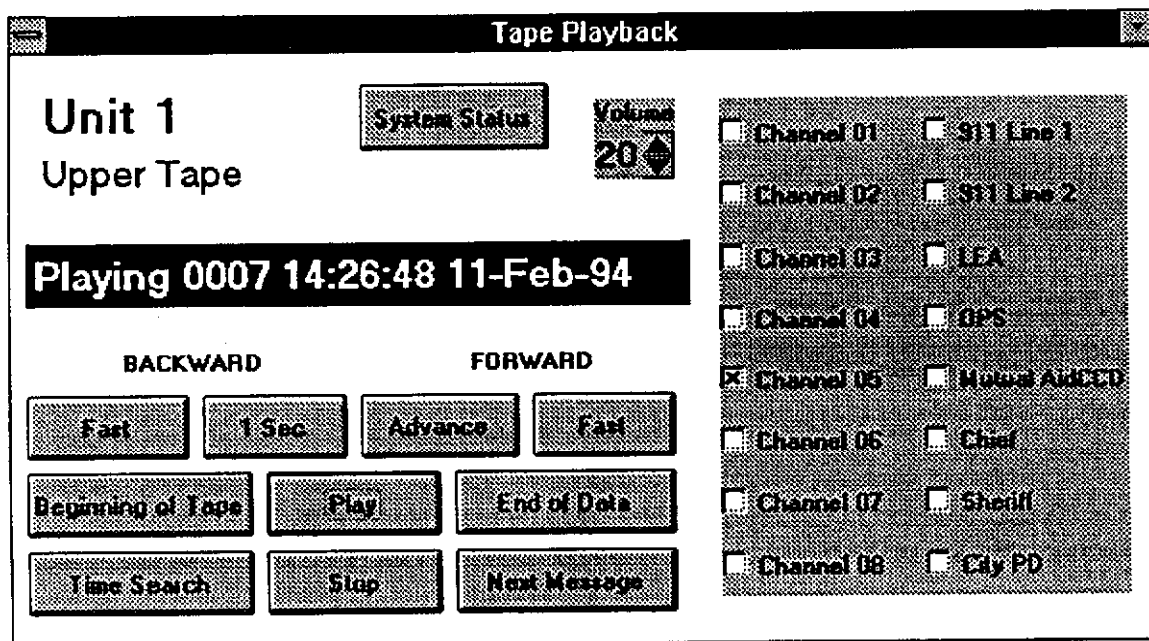
The Eventide PC Remote Control kit provides the ability to fully control and monitor one to eight VR240 and/or VR320 digital audio logging recorders from one standard Windows 3.11 or Windows 95 equipped PC.

#### PRODUCT OVERVIEW

All of the search, playback, record, and configuration functions that are available from the front panel of the logger are duplicated at the PC. The connection between the PC and the VR240 and/or the VR320 is an RS485 serial data link for control and a twisted pair for audio. The control program works as a normal Windows application. The remote control kit contains an RS485 to RS232 converter, a remote under-the-monitor speaker, application software on 3 1/2" floppy disks, and a VR240 or VR320 software upgrade DAT tape if required. RS485 and the audio line output allow for hundreds feet between the PC and the logging recorder(s).

#### SAMPLE SCREENS

##### DAT Tape Playback Screen:





## Telephone Input Board Setup Screen.

Telephone Input Board Configuration								
Unit 1	Board 2							
Channel	Record Enable Mode	VOX Hold Time	VOX Level	Audio Gain	Off Hook	Beep	AGC	
911 Line 1	Disabled 2	1 sec	320 mv	0 dB	32 v	Off	On	
911 Line 2	Vox 2	1 sec	320 mv	0 dB	32 v	Off	Off	
LEA	Vox 2	1 sec	320 mv	0 dB	32 v	Off	Off	
OPS	Vox 2	1 sec	320 mv	0 dB	32 v	Off	Off	
Manual A/DCL	Vox 2	1 sec	320 mv	0 dB	32 v	Off	Off	
Chief	Vox 2	1 sec	320 mv	0 dB	32 v	Off	Off	
Shen/I	Off Hook	1 sec	320 mv	0 dB	32 v	Off	Off	
	Vox	1 sec	320 mv	0 dB	32 v	Off	Off	
	Vox & Off Hook	1 sec	320 mv	0 dB	32 v	Off	Off	
City PD	On Trigger	1 sec	320 mv	0 dB	32 v	Off	Off	
	Disabled	1 sec	320 mv	0 dB	32 v	Off	Off	

## PARTIAL LIST OF AVAILABLE SCREENS

1. **Logger System Status Screen:** Displays the current status of all VR240's/VR320's connected to the link and provides direct selection of any unit for any function.
2. **Disk Playback Screen:** Provides full control of playback, search and channel select from any unit's internal Hard Disk.
3. **Tape Playback Screen:** Provides for tape playback, search and channel selection from any tape drive.
4. **Live Monitor Screen:** Select as single, any combination, or all channels for live monitoring.
5. **Recall Screen:** Access to the instant recall function from a selected channel.
6. **Record Screen:** Provides full control of the record function on any selected unit.
7. **Setup Screen:** Quick and easy system configuration for any unit.
8. **Record Input Board Configuration Screen:** Input channel configuration and channel naming for any selected unit.

# VR320 Network Access

## CONTROL PAGES

- ◆ **Password Entry** - Enter name and password
- ◆ **Main Page** - Choose to search and play the hard disk or either drive, change passwords, or live monitor.
- ◆ **Live Monitor Page** - Live monitor up to four selected channels. Select and de-select communications by clicking the box next the desired channel(s). Only those channels assigned to the user will be available.
- ◆ **Upper Drive Page** - Search and retrieve messages from the media in the upper drive. "Suspend" to search media in an active drive then "resume" recording. Search using time/date, fast forward, fast rewind and next message controls. Only those channels assigned to the user will be available.
- ◆ **Lower Drive Page** - Search and retrieve messages from the media in the lower drive. "Suspend" to search media in an active drive then "resume" recording. Search using time/date, fast forward, fast rewind and next message controls. Only those channels assigned to the user will be available.
- ◆ **Hard Disk Page** - Search and retrieve messages from the internal hard disk by time/date, fast forward, fast rewind and next message controls. Only those channels assigned to the user will be available.
- ◆ **.WAV File Capture** - Capture and name a .WAV file during playback. Store it on the PC hard disk for later retrieval. .WAV files can be edited, copied, and emailed.
- ◆ **Password Setup** - Deny or provide access to channels and/or functions from this page.
- ◆ **Call Record Database** - Search and retrieve communications from the call-record list. Call-tag, filter, sort, and reconstruct incidences from this page.
- ◆ **Channel Naming** - Find communications more efficiently by custom naming the channel descriptors to be stored with the archived audio.

# VR320 Network Access

- ◆ The Eventide model VR320 digital voice logging recorder can be accessed from a PC via its built-in Ethernet LAN connection. All control software, TCP/IP addresses, volume controls and other parameters are included with the operating system software. Once an Ethernet cable is connected, the unit parameters are set up from the front panel. The only "control" software required in the PC is a standard web browser, therefore, there are no special software or per-workstation fees incurred with this system.
- ◆ When the VR320 network address is entered into the location window of a web browser such as Netscape, a connection is established with the VR320. The control software password page is immediately sent to the PC. Control pages are presented to the PC user based on the predetermined privileges associated with that user's password. The passwords and access privileges are assigned for all functions including access to all or a select group of channels, hard disk search and play, archive drive search and play, and the ability to live monitor ongoing communications.
- ◆ The VR320 automatically converts playback audio into an IP format for transmission via the network. Up to any combination of four channels can be selected for simultaneous playback or live monitoring at the PC. In order to provide real-time playback or live monitoring over the LAN connection, a browser plug-in is installed in the PC. This plug-in will open the browser's audio play function once audio is detected and keep it open as long as audio is present. For those users who do not dedicate a LAN for logger control (and, therefore, may experience problems with slow service due to limited bandwidth), an analog audio connection is available.

# **VR320 Network Access**

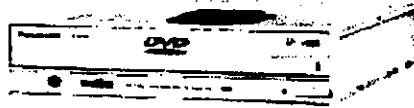
## **MINIMUM PC REQUIREMENTS**

- ◆ Pentium 166 MHz Minimum
- ◆ 64 MB of Ram Memory Minimum
- ◆ Color Monitor (1024X768 Minimum)
- ◆ Ethernet Network Card
- ◆ Keyboard
- ◆ Mouse
- ◆ Speakers
- ◆ Sound Blaster
- ◆ Windows 95/98/NT With Browser

## **SPECIFICATIONS**

- ◆ Communication Interface: Ethernet 10MB coaxial or twisted pair
- ◆ Ethernet Network Card : Built in the VR320
- ◆ Communication Protocol : TCP/IP
- ◆ Network Software : Web browser
- ◆ Audio Playback : Real-time over the network to PC
- ◆ Alt. Audio Playback : Via standard audio cable
- ◆ Security : Multi-level password protected.
- ◆ Control Software : Embedded in VR320 for full control

### DVD-RAM REWRITABLE CD DRIVE



DVD-RAM Rewritable CD drives ushers in a new era for **rewritable optical disk storage** for Eventide VR240 or VR320 digital audio logging recorders. Many innovations have been incorporated to produce an extremely reliable, economic and high performance storage alternative to DAT tapes. All these innovations combine to give a single-side recording capacity of 2.6GB and a double-sided capacity of 5.2GB. At the Industry standard compression rate of 16kbs ADPCM, 5.2GB provide 700 channel hours of voice communication archive storage. DVD-RAM drives cost about the same as DDS-2 DAT drives and DVD-RAM Rewritable CDs cost less than one cent per megabyte. The CDs are available from any computer supply store so media is easily purchased when needed by the system user.

#### **FEATURES AND BENEFITS**

##### **1. DVD-RAM DISK SPEED**

- Access time to recorded material approximates to a hard disk.
- Load and unload disks in seconds instead of minutes for DAT tapes.
- Format new disks in seconds.

##### **2. DVD-RAM DISK CAPACITY**

- 5.2GB double-sided disk provides 700 channel hours of storage.
- 2.6GB single-sided disk provides 350 channel hours of storage.

##### **3. DVD-RAM DISK RELIABILITY**

- 30 year shelf life.
- Reusable over 100,000 times with no reduction in quality.
- Robust design, resistant to shock, magnetic interference or environmental issues.
- No contact between disk and drive during record or play using laser phase-change technology. (Same as Magneto Optical Disk drives)

##### **4. DVD-RAM DISK SECURITY**

- Voice files are secure from editing or magnetic damage.
- Disks have write-protect system to prevent accidental rewrite.
- Only way to destroy recordings is to destroy the disk.

### Smart Label Printer

1. The label printer is not only convenient, easy to use, and compact in size, but it's the most effective way to categorize DAT tapes for archiving purposes. It provides two different print options. Option one automatically prints a label for each DAT tape when they are ejected and option two manually prints a label when commanded through a menu option from the front panel of the VR 204, VR 240 or VR 320.
2. The labels are cleverly designed to provide the maximum information. Each label, which divides into two sections, contains the recording unit's serial number, a individual DAT tape serial number and an start/end legend with the start/end time/date. The left section of the label is placed on the DAT tape's container and the right section is placed on the DAT tape. A sample of the VR 204 / VR 240 / VR 320's label printer output follows:

Machine Serial Number	Eventide	:	00000116
	Unit S/N 00000116	:	8
DAT Tape Serial Number	Tape S/N 8	:	16 : 05 : 27
	Start End	:	06 / 19 / 95
	16 : 05: 27 16 : 25: 00	:	16 : 25 : 00
	19 -Jun- 95 20 -Jun- 95	:	06 / 20 / 95

Start Time and Date      End Time and Date

### The label printer provides the following benefits to the system user:

- ◆ **Library Management** - It's easy to access archived tapes and determine if the recorded information required for playback is located on a particular DAT tape without having to load it into a DAT drive to check. It provides an index system for managing the archive library and quickly locating DAT tapes to save or return to the recording rotation.
- ◆ **File Management** - System users can maintain a photocopy of the labels or stick one side of the labels onto paper for filing.
- ◆ **Security** - The label can be placed over the opening of the DAT tape storage container. This serves as another source of DAT tape security.

## **EXHIBITS 1 &2**

### **SYSTEM MAPS**

A copy of the Wabash County Enhanced-911 Map showing ESN boundaries and adjoining counties ESN boundaries prepared by Miller Management Services, Inc. is attached hereto.

ATTACHMENT/EXHIBIT

ITEM TOO LARGE TO SCAN

COPY AVAILABLE IN CHIEF CLERK'S OFFICE